

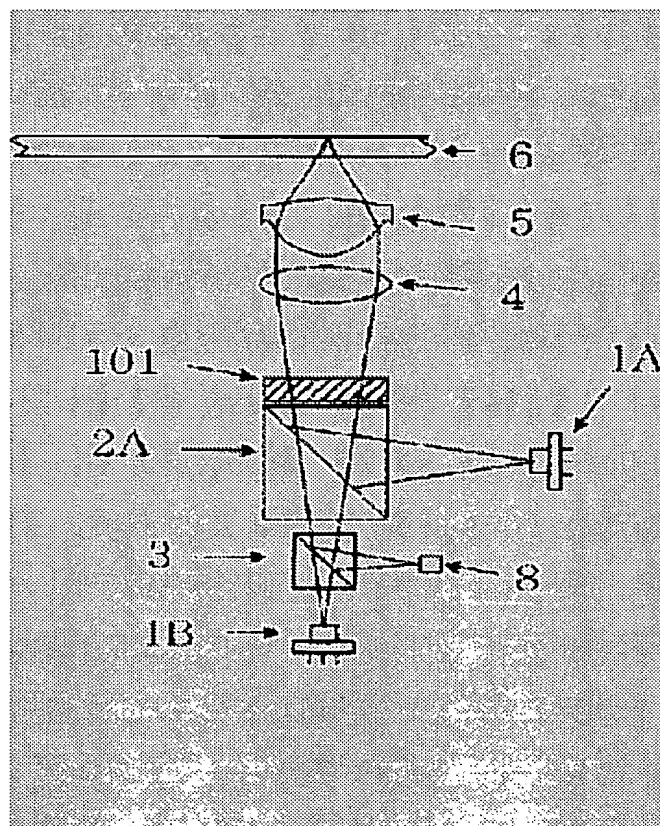
## OPTICAL HEAD DEVICE

Patent number: JP2001344800  
Publication date: 2001-12-14  
Inventor: MURAKAWA SHINKO; OI YOSHIHARU  
Applicant: ASAHI GLASS CO LTD  
Classification:  
- international: G11B7/135; G02B5/18; G02B5/30; G02B27/28  
- european:  
Application number: JP20000160566 20000530  
Priority number(s): JP20000160566 20000530

[Report a data error here](#)

### Abstract of JP2001344800

**PROBLEM TO BE SOLVED:** To obtain an optical head device compatible with bluish purple/red conversion which suppresses the light quantity loss of small-output bluish purple and can stably record and reproduce information. **SOLUTION:** This optical head device is constituted by making a phaser 101 for two wavelengths, which forms a circularly polarized light by generating a phase difference of  $\pi$  ( $m1-1/2$ ) in the bluish purple light and rotates the polarization direction 90 deg. by generating a phase difference of  $2\pi$  ( $m2-1/2$ ) in red color, both of which are linearly polarized light, and disposing the phaser between a polarization beam splitter 2A and a collimating lens 4.



Data supplied from the **esp@cenet** database - Worldwide